

Listing of Claims

1. (currently amended) A system for detachable joining of beams with of square and/or rectangular cross-section for respective beam comprising, for each beam to be joined, two or more fixing plates mountedable in pairs on opposite sides of the a beam and fixedable along a the beam by a friction joint maintained by tightening bolts, whereby each fixing plate comprisesing a first surface, the extensi~~ent~~ of which in at least one direction corresponds to a multiple of one beam width, and a second surface, turned which is adapted to face away from the a beam and which is bearable against the second surface of a fixing plate in a different pair of fixing plates when two or more beams are arranged to be joined in perpendicular and/or parallel directions by at least two opposite to each other arranged fixing plates, which are organized to bear on each other along the respective second surface and whose the mutual relative positions of said fixing plates in different pairs being are fixed by locking elements in recessi~~on~~es in the each other said second facing sides surfaces of the fixing plates and which said locking elements also constitute anchoring of the tightening bolts.
2. (currently amended) A system according to claim 1, wherein the locking elements are made of inner threaded sleeves.
3. (currently amended) A system according to claim 2, wherein the each fixing plate comprises projections arranged at respective each corners of the fixing plate.
4. (cancelled)
5. (currently amended) A system according to claim 3, wherein wedges, extending from the projections are arranged to fix the position of the beams in a transverse direction in the friction joint, whereby a shape determined locking of the beams is achieved.
6. (currently amended) A system according to claim 2, wherein the sleeves have longitudinal slots.

7. (cancelled)